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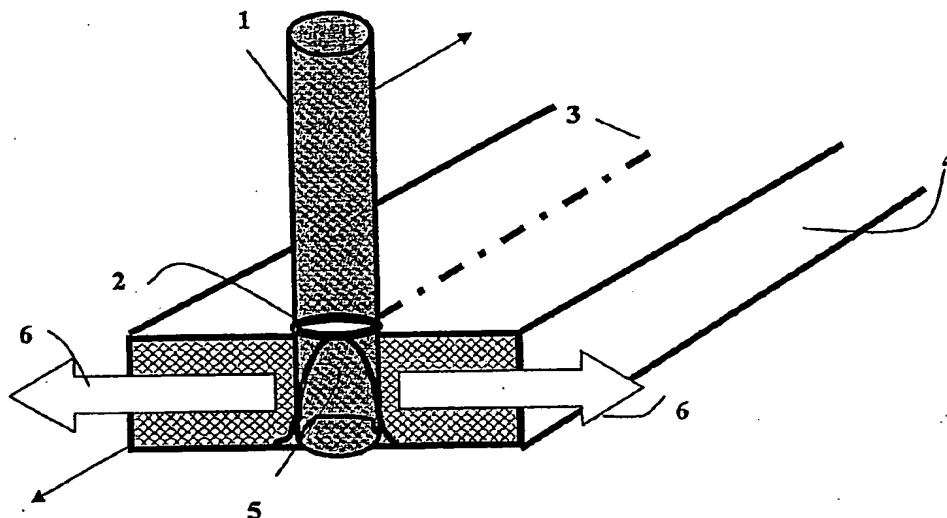
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(54) Title: A METHOD OF SEPARATING NON-METALLIC MATERIAL USING MICROWAVE RADIATION



(57) Abstract: A method of high speed cutting of non-metallic materials (14), preferably glass and laminated glass, is described. In the inventive method a concentrated microwave radiation (1) with appropriate frequency and power density is chosen so as to accomplish heating of at least one selected area (2) of the body at the required separating propagation path (3) to required temperature in a selected short time while ensuring that this temperature is large enough to create a thermal stress (6) through the thickness of the selected area that results in the separating of the body material. In one embodiment of the invention a method of high speed cutting laminated glass is described wherein concentrated microwave radiation is used for delaminating adhesive film before the step of separating the glass body.

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- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
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